

Dms 1762-7D

MATERIAL SAFETY DATA SHEET

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SECTION I:

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TRADE NAME AND SYNONYMS: PERMA-SLIK "S" AEROSOL
CHEMICAL NAME AND SYNONYMS: Bonded Solid Film Lubricant (10-118)
CHEMICAL FAMILY: Not applicable.
FORMULA: Complex Mixture

SECTION II - HAZARDOUS INGREDIENTS:

CAS #67-64-1 Solvent: ACGIH TWA 1000 ppm; (Acetone)
OSHA TWA 1000 ppm; See Section V
CAS 1330-20-7 Solvent: ACGIH TWA 100 ppm; OSHA TWA 100 ppm; (Xylene)
See Section V
Liquified Petroleum Gas (LPG): ACGIH TWA 1000 ppm;
OSHA TWA 1000 ppm; FLAMMABLE GAS
Molybdenum Disulfide, CAS #1317-33-5:
ACGIH TWA 10 mg/m³ as Mo; OSHA TWA 15 mg/m³ as Mo

SECTION III - PHYSICAL DATA:

BOILING POINT (°F): Not available.
VAPOR PRESSURE (mm Hg): Not available.
VAPOR DENSITY (AIR=1): Not available.
SOLUBILITY IN WATER: Slight
APPEARANCE AND ODOR: Gray/black liquid, organic solvent odor.
SPECIFIC GRAVITY (H₂O=1): As Concentrate: .97

SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (METHOD USED): $<10^{\circ}\text{F}$ (TCC)

EXTINGUISHING MEDIA: CO_2 , Foam, Dry Chemical, or Halon

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus. Do not extinguish with water.

FLAMMABLE LIMITS: Not determined for product.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Irritating and/or toxic fumes, including carbon and sulfur compounds, may be released in a fire situation.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not determined for product, see Section II.

TOXICITY:

CAS #67-64-1 Solvent can cause severe eye irritation.

CAS #1330-20-7 Solvent is a moderate skin irritant in rabbits and severe eye irritant.

LPG is an asphyxiant.

Molybdenum compounds may be slightly irritating.

EFFECTS OF OVEREXPOSURE:

Eyes - can cause irritation, redness, blurred vision.

Skin - prolonged contact can cause irritation, dermatitis.

Inhalation - can cause irritation, dizziness, nausea, fatigue, headache and unconsciousness or asphyxiation.

Ingestion - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

EMERGENCY AND FIRST AID PROCEDURES:

Skin - wash with soap and water.

Eyes - flush with copious amounts of water, get medical attention.

Inhalation - remove to fresh air. If breathing is impaired, get medical attention.

Ingestion - Do not induce vomiting, keep warm, get medical attention.

SECTION VI - REACTIVITY DATA:

STABILITY: STABLE

CONDITIONS TO AVOID: OPEN FLAME

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCT:

Irritating and/or toxic fumes including carbon and sulfur compounds may be released.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None

SECTION VII - SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean spill with absorbent material.

Eliminate ignition sources.

Wear gloves, goggles, and gas mask if TWA'S are exceeded.

WASTE DISPOSAL METHOD: Dispose of waste in a chemical landfill as approved by current

local, state, and federal laws and regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH approved organic respirator if TWA/TLV limits are exceeded.

VENTILATION:

LOCAL EXHAUST: Use to maintain levels below TWA limits.

MECHANICAL (GENERAL): Use non-sparking equipment.

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Chemical Resistant Gloves

EYE PROTECTION: Wear safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX - SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Protect from physical damage. Store in a cool, dry, ventilated area away from acids, alkalis and open flames.

OTHER PRECAUTIONS:

FLAMMABLE. Do not spray near open flame.

Do not puncture, incinerate, throw into fire or store above 120°F.

CJB/jlw

November 20, 1985